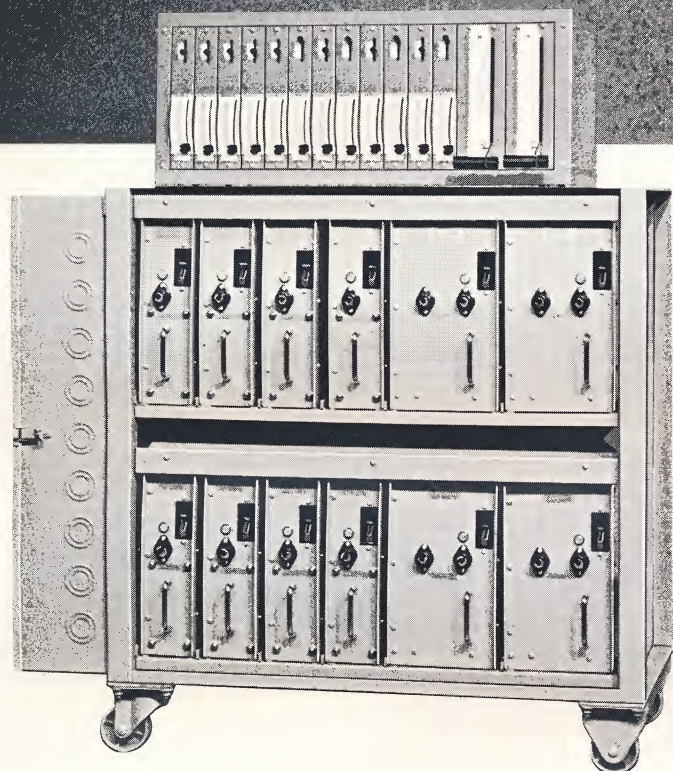


ColorTran[®] presents
ColorDyne POWER PACK
ELECTRONIC DIMMING SYSTEMS



**PORTABLE, DEPENDABLE,
 FLEXIBLE PLUG-IN DIMMER
 SYSTEMS FOR TELEVISION,
 MOTION PICTURE AND
 THEATRICAL APPLICATIONS.**

ColorDyne POWER PACK systems consist of:

- Castored or stationary Dimmer Plug-In Racks containing up to 12 Power Pack Dimmers in any combination of 2000, 3000, or 6000-watt capacities for 105/135-volt operation (120-volt AC nominal), and 2000, 5000 or 10,000-watt capacities for 220/250-volt operation (230-volts AC nominal).
- Lightweight, portable Remote Control Centers contain either 6 controllers (pre-sets) and 1 master, or 12 controllers (pre-sets) and 2 masters. Remote Control Centers connect directly to the Power Pack Dimmers, requiring no other power source.
- Lightweight remote control cables which permit the Remote Control Centers to be operated up to 1000 feet from the Dimmer Plug-In Racks.
- Conversion units for each Power Pack Dimmer to permit operation as an individual, portable dimmer from a separate input power supply when removed from the Plug-In-Rack.

ColorTran dimming and control systems are currently being used by ABC Television, CBS Television, South Australia Broadcasters, NET-TV and KTV (Japan), and KOLN-TV (U.S.), Icecapades, and the Salvation Army Theatre. Systems are also in use in Canada, Italy, Sweden, Germany, Spain, Australia, England, India, Pakistan, and Mexico.

**ALL ColorDyne POWER PACK DIMMING SYSTEMS
 ARE COVERED BY ColorTran's**

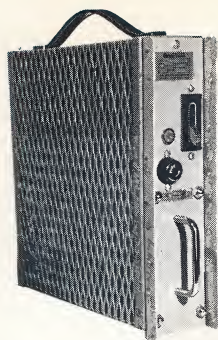
ONE YEAR UNCONDITIONAL GUARANTEE

If, at any time within one year after original delivery, your ColorDyne Power Pack Dimmers, Plug-In Racks, Remote Control Centers and all other types of equipment described in this brochure, do not perform to ColorTran specifications due to defects in material or workmanship, return to factory (freight pre-paid) for repair or (at our option) replacement, without charge for parts or labor. Warranty form must be completed and mailed directly to ColorTran Industries at time of original delivery of equipment. Malfunction of equipment due to improper use is not covered by this guarantee.

DEALER



1015 Chestnut Street, Burbank, California
 Phone: (213) 843-1200



ColorDyne Power Pack Dimmers

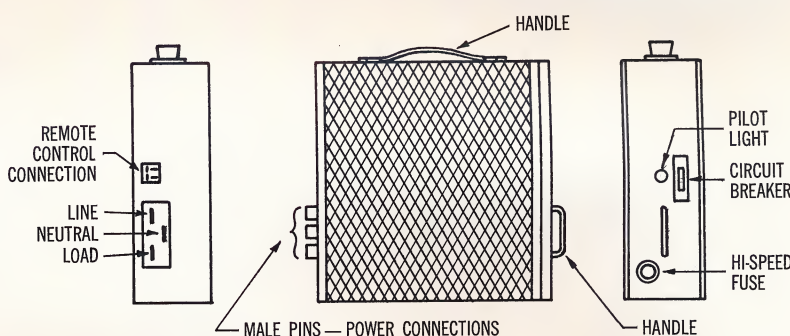
SPECIFICATIONS: 120-volt Models

Model No.	Input Voltage	Capacity (watts)	W	Size L	H	Weight (lbs.)
CP12-20A	120	2,000	3 3/8"	11 1/16"	12"	16
CP12-30A	120	3,000	3 3/8"	11 1/16"	12"	16
CP12-60A	120	6,000	6 5/8"	11 1/16"	12"	20

SPECIFICATIONS: 230-volt Models

Model No.	Input Voltage	Capacity (watts)	W	Size L	H	Weight (lbs.)
CP24-20A	230	2,000	3 3/8"	11 1/16"	12"	16
CP24-50A	230	5,000	3 3/8"	11 1/16"	12"	16
CP24-100A	230	10,000	6 5/8"	11 1/16"	12"	20

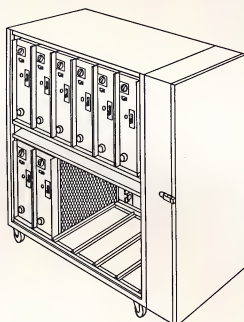
- All ColorDyne Power Pack Dimmers incorporate a single silicon symmetrical switching device, rather than the conventional pair of silicon controlled rectifiers. This proven component is exceptionally resistant to power line voltage transients and the high current surges of tungsten loads. It also permits the use of simple, reliable circuitry.
- All dimmers have an efficiency factor in excess of 95%.
- Full filtering (in excess of 900 micro-seconds rise time) is provided to suppress filament sing and eliminate FM and video interference.
- No fans or blowers are required even when Power Pack Dimmers are operated for indefinite periods under full load.
- All Power Pack Dimmers can be converted for portable, **individual** out-of-rack operation.
- Standard models operate from 60-cycle AC. Models operating from 50-cycle AC available on request at no additional cost.



PLUG-IN RACKS

Portable, casted Dimmer Plug-In Racks provide factory-wired input and output power distribution.

- Dimmers connect to power and load when inserted in rack.
- Output terminations for Power Pack Dimmers are available at a terminal block within the distribution center.
- Remote control receptacles of individual Power Pack Dimmers are accessible to permit easy connection of any dimmer to any controller with "RCC" control cables.
- Top of rack may be used for placement of Remote Control Center or as work space.
- All Plug-In Racks will accept the following input voltage distributions:
 - For 120-volt A.C. Operation —
 - 120 volts single-phase A.C.
 - 240 volts single-phase A.C., 3-wire
 - 208 volts three-phase A.C., 4-wire
 - For 230-volt A.C. Operation —
 - 240 volts single-phase A.C.
 - 480 volts single-phase A.C., 3 wire (480V/240V).
 - 415 volts three-phase A.C., 4-wire (415V/240V).
 - 380 volts three-phase A.C., 4-wire (380V/220V).



PLUG-IN RACK SPECIFICATIONS

Model No.	Houses		Size HxWxD	Weight (lbs.) (Rack and Dimmers)
	CP12-type Dimmers	CP24-type Dimmers		
R6-3	6 3000 W. Dimmers	6 5000 W. Dimmers	35" 19" 19"	150
R12-3	12 3000 W. Dimmers	12 2000 W. Dimmers OR 12 5000 W. Dimmers	35" 30" 19"	250
R6-6	6 6000 W. Dimmers	6 10,000 W. Dimmers	35" 34" 19"	190
R8-3/4-6	3 3000 W. Dimmers AND 4 6000 W. Dimmers	8 5000 W. Dimmers AND 4 10,000 W. Dimmers	35" 36" 19"	275
R12-6	12 6000 W. Dimmers	12 10,000 W. Dimmers	35" 52" 19"	375

CONNECTING CABLES

For connecting Remote Control Centers or Individual Remote Control units to Power Pack Dimmer units. Light weight 4-conductor cable with male and female terminations.

Order Code	Length (Ft.)	Weight
RCC-025	25	9 oz.
RCC-050	50	1 lb. 2 oz.
RCC-100	100	2 lb. 3 oz.
RCC-200	200	4 lb. 5 oz.

Longer lengths available on special order.

Conversion to Out-Of-Rack Operation

POWER CABLE ADAPTER

Permits use of dimmer as individual portable unit when removed from rack. Supplied with 2-ft. input and output cables without connectors. Connectors can be factory installed if desired.

Order Codes

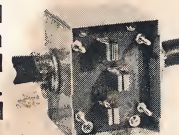
RAC-30, for 2 kw and 3 kw units at 120 V.
for 2 kw and 5 kw units at 230 V.
RAC-60, for 6 kw units at 120 V.
for 10 kw units at 230 V.

INDIVIDUAL REMOTE CONTROL

For individual control of dimmer of any capacity when removed from rack. Smooth, continuous control.

Order Codes

RCD1-1P, for 120-volt units.
RCD2-1P, for 230-volt units.



Remote Control Centers

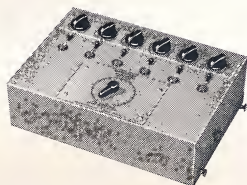
- Remote Control Centers are compact and lightweight. They can be placed on the Dimmer Plug-In Racks, or operated up to 1000 feet from the racks.
- Remote Controls are available with rotary controllers (pre-sets) and rotary masters, or with linear (sector type) controllers (pre-sets) and linear masters.
- All Remote Control Centers have receptacles which permit convenient grouping of dimmers with controllers.
- Any controller can operate a Power Pack Dimmer (with similar operating voltage) of any capacity.
- All linear Remote Control Centers have right-hand masters. Left-hand masters, to permit expanding systems by grouping of Remote Control Centers, available at no additional cost.

REMOTE CONTROL CENTER SPECIFICATIONS

6-Channel Remote Control Center with Rotary Controllers

Order Codes:

RCMD1-6 (120 V.A.C.)
RCMD2-6 (230 V.A.C.)



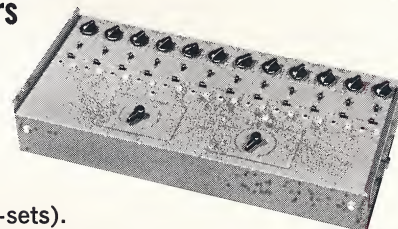
Consists of:

- 6 rotary controllers (pre-sets).
 - 1 rotary master.
 - 6 switches permit the individual dimmers to be operated independently, or through the master.
- The rotary controllers determine the maximum intensity available when operated through the master. Carrying handle and cover are provided for transportation and storage.
- Dimensions: 6 1/4 "x12"x12 1/2 "; Weight: 11 1/4 lbs.

12-Channel Remote Control Center with Rotary Controllers

Order Codes:

RCMD1-12 (120 V.A.C.)
RCMD2-12 (230 V.A.C.)



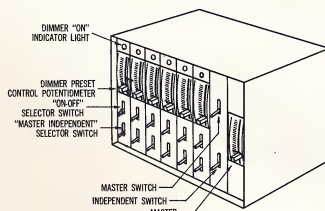
Consists of:

- 12 rotary controllers (pre-sets).
 - 2 rotary masters.
 - 12 switches; one for each channel to permit operation of channel independently or through either of the two masters.
 - 12 switches; one for each channel to permit any combination of dimmers, or all dimmers, to be controlled by either master.
- The controllers (pre-sets) determine the maximum intensity available when operated through the masters. Carrying handle and cover are provided for transportation and storage.
- Dimensions: 6 1/4 "x12"x25"; Weight: 22 1/2 lbs.

6-Channel Remote Control Center with Linear (Sector Type) Controllers

Order Codes:

RCMD1-6L (120 V.A.C.)
RCMD2-6L (230 V.A.C.)



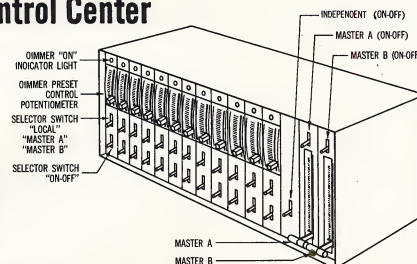
Consists of:

- 6 linear (sector type) controllers (pre-sets).
 - 1 linear (sector type) master.
 - 6 switches; one for each channel for "ON-OFF" control of the individual dimmers.
 - 6 switches; one for each channel, to permit independent or master operation of the individual dimmer.
 - 1 switch for "ON-OFF" control of all channels that are switched to "Independent" operation.
 - 1 switch for "ON-OFF" control of all channels that are switched to "Master" operation.
 - 1 master control, permitting simultaneous, proportional dimming of all dimmers which have been switched to "Master" operation.
- Dimensions: 11"x16"x13", Weight: 15 lbs.

12-Channel Remote Control Center with Linear (Sector Type) Controllers

Order Codes:

RCMD1-12L (120 V.A.C.)
RCMD2-12L (230 V.A.C.)



Consists of:

- 12 linear (sector type) controllers (pre-sets).
 - 2 linear (sector type) masters.
 - 12 switches; one for each channel for "ON-OFF" control of the individual dimmers.
 - 12 three-position switches to permit any combination, or all dimmers to be operated "Independent," or through "Master A" or "Master B."
 - 1 switch for "ON-OFF" control of all channels that are switched to "Independent" operation.
 - 1 switch for "ON-OFF" control of all channels that are switched to "Master A."
 - 1 switch for "ON-OFF" control of all channels that are switched to "Master B."
 - 2 masters ("A" and "B") which permit simultaneous, proportional dimming of all dimmers switched to respective masters.
 - 12 indicator lights which show that dimmer breaker is on, and dimmer is connected to power.
- Dimensions: 11"x16"x26", Weight: 30 lbs.

ColorDyne POWER PACK

DIMMING CONTROL SYSTEMS

for 120-volt A.C. or 230-volt A.C. operation

120-VOLT A.C. SYSTEMS		230-VOLT A.C. SYSTEMS	
SYSTEM 1,	18 kw CAPACITY	SYSTEM 6,	24 kw CAPACITY
Order Code:	KCP12-0306 (with rotary controllers) KCP12-0306L (with linear controllers)	Order Code:	KCP24-1012 (with rotary controllers) KCP24-1012L (with linear controllers)
Consists of:	6 CP12-30A Power Pack Dimmers. 1 R6-3 Plug-In Rack. 1 RCMD1-6 Remote Control Center, or RCMD1-6L Remote Control Center. 6 RCC-025 Control Cables.	Consists of:	12 CP24-20A Power Pack Dimmers. 1 R12-3 Plug-In Rack. 1 RCMD2-12 Remote Control Center, or RCMD2-12L Remote Control Center. 12 RCC-025 Control Cables.
SYSTEM 2,	36 kw CAPACITY	SYSTEM 7,	30 kw CAPACITY
Order Code:	KCP12-0606 (with rotary controllers) KCP12-0606L (with linear controllers)	Order Code:	KCP24-0506 (with rotary controllers) KCP24-0506L (with linear controllers)
Consists of:	6 CP12-60A Power Pack Dimmers. 1 R6-6 Plug-In Rack. 1 RCMD1-6 Remote Control Center, or RCMD1-6L Remote Control Center. 6 RCC-025 Control Cables.	Consists of:	6 CP24-50A Power Pack Dimmers. 1 R6-3 Plug-In Rack. 1 RCMD2-6 Remote Control Center, or RCMD2-6L Remote Control Center. 6 RCC-025 Control Cables.
SYSTEM 3,	36 kw CAPACITY	SYSTEM 8,	60 kw CAPACITY
Order Code:	KCP12-0312 (with rotary controllers) KCP12-0312L (with linear controllers)	Order Code:	KCP24-1006 (with rotary controllers) KCP24-1006L (with linear controllers)
Consists of:	12 CP12-30A Power Pack Dimmers. 1 R12-3 Plug-In Rack. 1 RCMD1-12 Remote Control Center or RCMD12L Remote Control Center. 12 RCC-025 Control Cables.	Consists of:	6 CP24-100A Power Pack Dimmers. 1 R6-6 Plug-In Rack. 1 RCMD2-6 Remote Control Center, or RCMD2-6L Remote Control Center. 6 RCC-025 Control Cables.
SYSTEM 4,	48 kw CAPACITY	SYSTEM 9,	60 kw CAPACITY
Order Code:	KCP12-3612 (with rotary controllers) KCP12-3612L (with linear controllers)	Order Code:	KCP24-0512 (with rotary controllers) KCP24-0512L (with linear controllers)
Consists of:	8 CP12-30A Power Pack Dimmers. 4 CP12-60A Power Pack Dimmers. 1 R8-3/4-6 Plug-In Rack. 1 RCMD1-12 Remote Control Center, or RCMD1-12L Remote Control Center. 12 RCC-025 Control Cables.	Consists of:	12 CP24-50A Power Pack Dimmers. 1 R12-3 Plug-In Rack. 1 RCMD2-12 Remote Control Center, or RCMD2-12L Remote Control Center. 12 RCC-025 Control Cables.
SYSTEM 5,	72 kw CAPACITY	SYSTEM 10,	80 kw CAPACITY
Order Code:	KCP12-0612 (with rotary controllers) KCP12-0612L (with linear controllers)	Order Code:	KCP24-51012 (with rotary controllers) KCP24-51012L (with linear controllers)
Consists of:	12 CP12-60A Power Pack Dimmers. 1 R12-6 Plug-In Rack. 1 RCMD1-12 Remote Control Center, or RCMD1-12L Remote Control Center. 12 RCC-025 Control Cables.	Consists of:	8 CP24-50A Power Pack Dimmers. 4 CP24-100A Power Pack Dimmers. 1 R8-3/4-6 Plug-In Rack. 1 RCMD2-12 Remote Control Center, or RCMD2-12L Remote Control Center. 12 RCC-025 Control Cables.

Note: These systems can be modified to meet specific requirements. Load patch panels and distribution boxes available on order.

Write for Detailed Engineering Specifications.

Complex dimming and control systems, with multiple scene capability for permanent studio and theatrical installations, can be planned and built to meet specific needs. Inquiries will receive prompt attention.